

1 JUDGE STIRMER: Depends on location?

2 WITNESS: It, it depends on location.

3 MR. DUNNE: Does, doesn't it also -- excuse me,
4 Your Honor.

5 BY MR. DUNNE:

6 Q Doesn't, also, it depend on frequency? I mean, if the
7 rate -- if the highway patrol station is very close to --
8 broadcasts on a frequency that's very close to the IF beat
9 frequency in a TV set?

10 A Yes.

11 Q Doesn't that impact on whether, impact on whether it
12 would interfere with the TV set?

13 A Yes.

14 Q And isn't it also a fact that an FM radio frequency is
15 much further separated from that 43 megahertz IF beat fre-
16 quency than a highway patrol station?

17 A It's, it's separated but the, the difference between
18 the 85.9 and the 42 is 43.9, so the difference may be playing
19 a factor, also. Or it's possible to play a factor, but, but
20 if you were -- your TV sets right next to the highway patrol
21 would get more interference potential from the highway patrol
22 than if the TV sets closer to the radio station, even though
23 the difference in power -- because in front of the radio
24 station that 15 kilowatts is, is going to be stronger next --
25 at that location than the 100 kilowatts by the time it's

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1 continuing over to where the TV set is next to the highway
2 patrol.

3 MR. DUNNE: Thank you, Your Honor.

4 BY MR. DUNNE:

5 Q I'd like to refer you, if I may, to paragraph 2 of that
6 testimony, Mr. Ramage, paragraph 2 of page 3?

7 A Yes.

8 Q Okay. Now, I will direct your attention to the, the
9 second line of that paragraph that says, "It's probable," et
10 cetera, et cetera.

11 A Yes.

12 Q Okay, in your experience, is ghosting on an TV set
13 attributable to a tower, construction of a tower?

14 A It can be, yes.

15 Q Okay, so the construction of a tower alone may con-
16 tribute to the ghosting interference.

17 A That's possible, yes.

18 Q Well, you said it's possible. Is that something that's
19 a common or likely phenomenon?

20 A It's, it's likely. As, as I was stating yesterday, if
21 it bounces off of a nearby metal -- metallic object, like a
22 water tower, it -- or, or a radio tower, it can cause the
23 ghosting because it's a -- it's reflecting the signal that's
24 received at the TV set separate from the -- directly from the,
25 the transmitting.

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1 Q Now, how would you cure, if you know, how would you
2 cure, cure ghosting interference caused by the construction of
3 a metal object?

4 A Sometimes it can be cured just by turning your antenna,
5 moving your antenna to a different spot and maybe get rid of
6 that reflection or it's far enough in time that it -- the TV
7 just kind of ignores it. I, I haven't dealt with that too
8 much to know.

9 Q Now, Mr. Ramage, I -- your report is full of infor-
10 mation about filters, the filters that are put on TV sets, et
11 cetera. Do you have much experience with -- well, as, as part
12 of your training as an electrical engineer, did you receive
13 any instruction in what filters are and how they work?

14 A Yes.

15 Q Can you describe that -- briefly describe what sort of
16 training you received in what filters do and how they work?

17 A I do not recall a class, but the, the class dealt with
18 filter theory and what was high-pass filters, versus low-pass
19 filters, versus band-pass filters, and a little bit of how,
20 how the -- they work on a radio signal.

21 Q Okay. So if, if someone were to describe for you an FM
22 trap filter, you would know what they're talking about, right?

23 A Yes.

24 Q Or, you know, a notch filter --

25 A Yes.

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1 Q -- an FM filter, and, in fact, you've had experience
2 with both of these filters with respect to this KOKS inspec-
3 tion, is that correct?

4 A True.

5 Q Have you had any experience, other than your profes-
6 sional -- your personal education, as part of your FCC train-
7 ing, was there any discussion or training, that you received
8 with respect to filters and how they work?

9 A There may have been. I'm not positive whether there
10 was or not.

11 Q And you, you don't recall at this point.

12 A I don't recall.

13 Q And when you were at the -- in Iowa, with the FM
14 blanketing investigation you previously took part in, did you
15 have any experience with filters there?

16 A I used filters there, yes.

17 Q Okay, and what sort of filters for that?

18 A They would have been FM notch filters.

19 Q Okay, and these were installed in radio sets to remove
20 interference from one radio station to another radio set.

21 A They would try -- what, what a filter tries to do is
22 attenuate --

23 Q Right.

24 A -- another signal.

25 Q And when you say "attenuate," it means suppress or --

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1 A Suppress it --

2 Q Yeah.

3 A And so it, it doesn't just totally knock it out. It
4 knocks -- it suppresses it so much depending on the design and
5 quality of the filter.

6 Q Okay. If, if a -- a filter were -- what -- usually you
7 express suppression in units of DB, is that correct?

8 A Correct.

9 Q Okay, is there a progression or a graph as far as that,
10 that goes? In other words, so many DB means you lose so
11 much --

12 A Yes --

13 Q -- so much attenuation?

14 A Yes, for every 3 DB change, you can either double or
15 halve the power.

16 Q Okay, if you were to, if you were to, to see a --
17 receive a signal on a particular site, say, 1,500 microvolts
18 per meter, okay, if you were to attenuate, put a filter on
19 that would reduce the signal by 3 DB, suppress it by 3 DB, you
20 would essentially the power received there, the 750 micro-
21 volts, is that correct?

22 A Approximately, yes.

23 Q And for each DB thereafter will be a, you know, geo-
24 metrical progression then, or logarithmic, or whatever it is?

25 A Yes.

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1 MR. DUNNE: Okay, stop laughing, counsel.

2 BY MR. DUNNE:

3 Q And that's something that you could figure out fairly
4 easily?

5 A Yes.

6 Q If you were to use a 60 DB trap filter --

7 A How much?

8 Q A 60 DB notch filter.

9 A Okay.

10 Q Okay, that claims it, it suppresses signal by 60 DB.

11 A Yes.

12 Q Okay. Is there, is there -- on a TV set, is there a
13 level of DB that has to get into the TV set that will essen-
14 tially be viewed or noticed on the screen, or affect the
15 workings of the screen?

16 A I'm not sure.

17 Q Do, do you know whether --

18 A I would assume -- I would assume there would have to be
19 some minimum level.

20 Q Okay, so then there has to be some minimum level but
21 you don't know what it is?

22 A No.

23 Q And you don't know if it there's a difference from TV
24 to TV, or, or --

25 A That's correct.

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1 Q -- tuner, set, or whatever.

2 A Correct.

3 Q In your experience in installing -- in dealing with or
4 installing filters, with respect to a standard, let's call it
5 a trap filter, okay, and you've seen trap filters, for
6 example, at Radio Shack and other consumer electronics stores,
7 is that correct?

8 A Correct.

9 Q Have you ever, have you ever installed one on a TV set?

10 A Yes.

11 Q Okay, and how often have you done that?

12 A Perhaps 20, 25 times.

13 Q Okay, and, and was this part of -- when did you do
14 this, Mr. Ramage?

15 A In the course of routine investigations, again with
16 interference that dealt with land mobile and other interfer-
17 ence.

18 Q Okay. Have you ever -- and I refer to the FM trap
19 filter. Have you ever used a, a notch filter?

20 A Yes.

21 Q Okay, and a notch -- can you describe for me -- for us
22 what a notch filter is?

23 A A notch filter, again depending on the quality of the
24 filter and it's design, is designed to notch out a particular
25 one frequency, and suppress, suppress one frequency or one

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1 small narrow band of frequencies.

2 Q Okay. Have you ever had any experience in installing
3 notch filters?

4 A Yes.

5 Q Can you give us an idea when and under what circum-
6 stances?

7 A Again, during routine investigations, mostly involving
8 land mobile where you try to suppress a certain frequency.

9 Q Okay, and roughly how many? A rough estimate,
10 Mr. Ramage. Say another 25?

11 A Probably a little less than that on the notch filters;
12 maybe a dozen.

13 Q Okay. Okay, when you, when you took your educational
14 classes about, about filter theory and they described dif-
15 ferent kinds of filters, the theories behind filters, was
16 there any -- is there any theoretical reason why a filter,
17 once installed on a TV set, would fail?

18 A The courses never got into that.

19 Q In your experience in installing the trap filters and
20 the notch filters that we just talked about, in your exper-
21 ience, did any of those fail?

22 A I believe so, but I do not recall the episode so I can
23 describe it.

24 Q In, in your -- I may have asked this question. Excuse
25 me if I have. In your training with the FCC, was there any

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1 discussion of the installation of filters, filter theory, or
2 anything like that, with your FCC training?

3 A No.

4 Q In your discussions with your superiors or the people
5 you work with in dealing with interference complaints, have
6 there been any, any discussion that you may have overheard or
7 taken part in, in which FM trap or notch filters were dis-
8 cussed?

9 A Yes, I'm sure there were.

10 Q As part of, of those discussions in the regular course
11 of your business, Mr. Ramage, were there any discussions that
12 you overheard or recall in which there was any discussion of
13 filters, FM trap filters or FM notch filters, notch or trap
14 filters of any kind, failing?

15 A Yes.

16 Q Do you recall under what circumstances?

17 A They were tunable filters we have that we use ourselves
18 that had failed, and we have yet to determine why, but they
19 were, they were tunable. You can call them FM trap or band
20 pass tunable filters.

21 Q When you say tunable, you mean you could actually take
22 the filter, put it on an instrument, and then kind of adjust
23 the filter that it's trapping for?

24 A Yes.

25 Q Okay. It wouldn't be a, for example, an FM trap filter

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1 | which weeds out all FM signals?

2 | A Normally, it's more of a, a small band. I, I couldn't
3 | tell you exactly how wide the band is, but it would be similar
4 | to trapping out certain band frequencies.

5 | Q Okay. So would it be fair to say, in your experience,
6 | that at least a majority or most of the filters that you ever
7 | heard or discussed heard failed were these tunable that you
8 | just described?

9 | A No, I have no correlation what types they were that
10 | failed.

11 | Q Okay, but the only ones that you recall specifically
12 | hearing of failing were, were these tunable filters you just
13 | described.

14 | A No.

15 | Q Okay, why don't you describe the other ones if you can.

16 | A We have a kit that we used to carry around when we
17 | worked on a lot of these type of interference cases from CB
18 | operators and other operators, and we had different types of
19 | filters --

20 | Q Um-hum.

21 | A -- that we would install, and I know some of those have
22 | failed on occasion, some of those -- most of those were a
23 | band, like an FM trap-type filter. They were not very often
24 | that they failed, but there was some that had failed and did
25 | not do what they were supposed to.

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1 Q Would it be fair to say, Mr. Ramage, that it's fairly
2 uncommon for that kind of filter to fail?

3 A It's, it's not very common, no.

4 MR. DUNNE: This might be a good, good time to break.

5 JUDGE STIRMER: For what?

6 MR. DUNNE: For lunch.

7 JUDGE STIRMER: How much more do you have with this
8 witness?

9 MR. DUNNE: Oh, I'd say about another hour or so.

10 JUDGE STIRMER: Well, no, I think we ought to proceed
11 then just a little further.

12 MR. DUNNE: Then I'll need a 5-minute break,
13 Your Honor.

14 JUDGE STIRMER: All right, let's take a brief, 5-minute
15 break. Be back promptly in 5 minutes.

16 MR. DUNNE: Thank you.

17 BY MR. DUNNE:

18 Q Mr. Ramage, I think you testified earlier that you
19 spoke to Mrs. Raines about her inspection of KOKS in the
20 December of 1989, is that correct?

21 A Yes.

22 Q And that she -- has she told you that at that time she
23 was a new employee and might not as carefully inspected vari-
24 ous things at the station as perhaps you might have?

25 A Correct.

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1 Q Did Mrs. Raines also tell you that, that there had been
2 an earlier inspection conducted of the station prior to hers?

3 A No, not that I --

4 Q So you didn't know the station had previously been
5 inspected by another FCC inspector that had, had noted public
6 file -- cited the station for public file violation?

7 A No.

8 Q Okay, if I may, refer you to KOKS Exhibit No. 5, FCC
9 report of Clark Poole. I refer you to the very last page of
10 that exhibit, Mr., Mr. Ramage. That one there. Look -- just
11 look at it very briefly, if you would.

12 A All right.

13 Q Okay, as part of your, as part of your inspection of
14 KOKS, either before or after you, you looked at the station,
15 have you ever had an opportunity to review this particular
16 inspection data summary?

17 A Yes.

18 Q You did?

19 A Yes.

20 Q So you reviewed Mr. Poole's inspection?

21 A Right. I, I was not aware that it was before. I
22 thought it was after the Raines and Moffitt inspection,
23 though. That, that's why I was surprised when you had indi-
24 cated that there was one before.

25 Q Okay. So --

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1 A My mistake.

2 Q Okay. So as far as you knew, then this particular --
3 so you did review this, this particular report prior to the
4 visiting KOKS.

5 A No, after.

6 Q Oh, after you visited KOKS --

7 A Yes.

8 Q -- you looked at this particular report?

9 A Yes.

10 Q Okay, and, and therefore you noted that KOKS previously
11 had been cited for a, a quarterly -- no quarterly issues
12 programming.

13 A I don't recall if I noted that or not.

14 Q Okay. Let me ask you, Mr. Ramage, is it, is it your
15 experience having -- I know you're a very popular guy making
16 FCC inspections -- that once you visit a station and they're
17 cited for one particular violation, that they're likely to
18 do -- have the same violation when you come back the next
19 time.

20 A Yes.

21 MR. SHOOK: Your Honor, I object to that, that question
22 on the grounds of relevancy.

23 JUDGE STIRMER: I'll sustain the objection. I don't
24 know what we're getting into, Mr. Dunne. Let's confine our-
25 selves to this case, please.

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1 BY MR. DUNNE:

2 Q Okay, Mr., Mr. Ramage, if I can refer you again to KOKS
3 Exhibit 6, page 6, we previously had reference to.

4 A All right.

5 Q Okay, if you'll look at the last, the last paragraph,
6 it talks about receiving KKLK on Channel 8. Do you have
7 reference to that?

8 A I see it here, yes.

9 Q Okay. Prior to your visit to Poplar Bluff in 1992, did
10 you have -- do you recall reviewing that particular paragraph?

11 A No.

12 Q Did you discuss that particular paragraph with
13 Mr. Moffitt either before or after you made your visit to
14 KOKS?

15 A Not that I recall.

16 Q Okay, did the -- now, Mr., Mr. Moffitt has essentially
17 explained or described the television system that was in
18 effect in the Smith's home in his report, is that correct?

19 A I believe so, yes.

20 Q Okay. Is that the same --

21 MR. SHOOK: Counsel, can you refer him --

22 MR. DUNNE: I'm sorry.

23 MR. SHOOK: -- to the particular -- you know, what
24 you're particularly focusing on?

25 MR. DUNNE: Sure, okay. I'm trying to do this quickly,

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1 and -- page 5 of Mr. Raines' report.

2 MR. SHOOK: Mr. Moffitt or --

3 BY MR. DUNNE:

4 Q Mr. Moffitt's report.

5 A Okay, you're talking about the last paragraph?

6 Q No, I'm talking about the first two paragraphs that
7 describe the --

8 A The Magnavox?

9 Q The Magnavox.

10 A Yes.

11 Q Okay. Now, that says at the bottom, it says, "A Sony
12 black and white portable television with rabbit ears."

13 A Yes.

14 Q Okay. Now, that's, that -- following to the next page,
15 it talks about a Magnavox stereo?

16 A Yes.

17 Q Okay, is that essentially the same equipment, and I say
18 "essentially," not exactly, but essentially the same equipment
19 that you saw?

20 A Those three items were there, yes.

21 Q All right, and were they hooked up as described there?
22 In other words, there was no booster or filter other than the
23 antenna system?

24 A That's correct?.

25 Q No baluns attached to the input and the output that

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1 combine to accommodate the twin link?

2 A I believe so. I'm not --

3 JUDGE STIRMER: Check your report to see.

4 WITNESS: I'd like to check -- yeah.

5 MR. SHOOK: It would be page 29.

6 WITNESS: Twenty-nine? Twenty -- on page 30, which is
7 a diagram I drew of the, of the Magnavox shows a balun in line
8 with it.

9 BY MR. DUNNE:

10 Q Okay, is that, is that different from the description
11 there? I'm sorry, I'm not very good at diagrams. I'm just
12 asking you is it essentially the same, Mr. --

13 A I, I was not there when Mr. Moffitt was there, so --

14 Q But is that description essentially the same?

15 A It could be, yes.

16 Q Okay. Okay, in your experience, Mr., Mr. Ramage, is it
17 possible that the operation of a, a satellite dish system
18 would have any impact or interference on Channel 12?

19 A I have not seen any such interference.

20 (Pause.)

21 Q Okay, Mr. Ramage, could I refer you to Mass Media
22 Bureau Exhibit No. 24?

23 A All right.

24 Q Okay, do you have that in front of you, Mr.,
25 Mr. Ramage?

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1 A Yes, it's right here.

2 Q Okay, and I'd like to refer you to the first sentence
3 of the third -- excuse me, have you ever seen that letter
4 before?

5 A I do not believe I've seen this.

6 Q Okay.

7 A I believe yesterday I looked at it, but that's the
8 first time I recall seeing it.

9 Q Okay. I'd like to direct your attention, if I may, to
10 the first sentence of the third paragraph that begins "we
11 have" and ends "47 CFR 73318."

12 A Yes.

13 Q Okay, look -- have you looked at that?

14 A Yes.

15 Q Do you know, of your own personal knowledge, what they
16 mean by -- what the FCC means in this particular instance
17 of -- concerning the types of service interruptions that fall
18 within the ambit of the Commission's blanketing rule?

19 A No.

20 Q You have no, no personal knowledge of what they're
21 referencing there?

22 A No.

23 Q Mr. Ramage, in your conversations, do you know if
24 the -- do you know of your personal knowledge if the FCC has
25 ever required a radio station to resolve a blanketing inter-

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1 | ference complaint to a television station when the television
2 | station -- when the radio station is, is outside the station's
3 | Grade B contour?

4 | A I'm not aware of any, no.

5 | Q You're not aware of any.

6 | A No.

7 | Q In your conversations with Mr. Moffitt, or Mrs. Raines,
8 | or anyone else at the FCC field office, has the fact that
9 | the -- this -- one of the particular stations desired by the
10 | people in KOKS is outside it's Grade B contour ever been
11 | discussed in your presence?

12 | A Yes.

13 | Q And can you tell us what that -- when that discussion
14 | occurred?

15 | MR. SHOOK: Your Honor, I object on the grounds of
16 | relevance. The law of the case is that Channel 6 is to be
17 | protected from blanketing --

18 | JUDGE STIRMER: I'll sustain the objection. Let's move
19 | along, please, Mr. Dunne.

20 | MR. DUNNE: Your Honor, for the record, I'd like to
21 | make a statement about that. Once again, the idea, one of the
22 | essential points, is misrepresentation. We had plenty of
23 | testimony that their people didn't think that they had to
24 | provide --

25 | JUDGE STIRMER: Well, let's get it from the people, not

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1 from this engineer, Mr. Dunne. He wasn't involved in any of
2 those discussions with any of the people involved here.

3 MR. DUNNE: Well, he may have personal knowledge of
4 what the FCC has said to other people, Your Honor, or what
5 they thought in 1988 or 1989.

6 JUDGE STIRMER: Well, I don't think that it's relevant
7 what this particular witness thought in 1988 or '89.

8 BY MR. DUNNE:

9 Q Okay, but, once again, your testimony is you don't
10 understand what that particular reference was on that particu-
11 lar letter, is that correct, Mr. Ramage?

12 A No, sir, I did not understand.

13 Q I'm sorry. I believe it was your testimony in --
14 yesterday that you took field readings every day when KOKS was
15 on the air when you were inspecting the station and determined
16 that the power never changed?

17 A Correct.

18 Q Okay, and you did that at different times every day?

19 A Probably not at exactly the same time, but I know we
20 took it every morning before we began looking at the homes,
21 the television sets in the homes.

22 Q Now, Mr. Moffitt, in your -- Mr. Moffitt -- I really am
23 getting tired. I apologize, Mr. Ramage. In your -- while you
24 were here at -- in KOKS -- for the KOKS inspection, and you
25 were visiting people's homes, did you ever observe what you

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1 identified as two-way radio interference from the highway
2 patrol station?

3 A I believe I did. I didn't note it, but I believe I saw
4 it on one or two occasions.

5 Q Do you recall at the top of your head on which
6 occasions?

7 A I believe it would have been the people living in the
8 mobile home court right across the street from the highway
9 patrol station.

10 Q Okay, and when you say "the mobile home court," that's
11 the same mobile home court that Mrs. Hillis lives in, is that
12 correct?

13 A She doesn't live in a mobile home court. They live
14 below that. The mobile home court, I believe Mrs. -- let me
15 get the list here. I can tell you.

16 Q Okay.

17 A A moment. I believe Mrs. Piper, Mrs. Diel, and perhaps
18 Mrs. Wynn, I believe, live in the mobile home court. The --
19 and I'm not sure whose home it was in, but I do recall seeing
20 something like that in, in their picture that I attributed to
21 two-way interference.

22 Q Okay, now I'd like to refer you to, if I may, to
23 page 10 of your report -- excuse me, page 10 of the Mass Media
24 Bureau Exhibit 1.

25 A Okay.

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1 Q Okay, I'm directing you to the second -- first full
2 paragraph, and it talks about the microwave filter -- filters.
3 I believe it was your testimony that, in your experience and
4 the experience of FCC inspectors that you discussed filters
5 with, the failure of a filter is a not very common experience.
6 I think that was --

7 A That's correct.

8 Q -- your exact testimony. Why, in this instance, do you
9 think -- why do you think they may or may not have failed,
10 failed in this case?

11 A I stated one theory here in the -- the heat,
12 heating/cooling. After I did the inspection and I also read
13 Mr. Moffitt's report, he indicated in there that there was a
14 possibility at the beginning when the station first went on
15 the air that they had problems with spurs and harmonics.

16 Q Um-hum.

17 A If the station had spurs and harmonics, they would run
18 outside of the range that the filter was designed to suppress.
19 That could contribute to appearing that the filter didn't work
20 at times, and then did work if the, the harmonics were sup-
21 pressed, or --

22 Q Okay, so essentially, then, it wasn't the filter that
23 failed, but that there was a -- some sort of a problem with
24 the station that created the harmonics --

25 A That's a possibility.

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1 Q -- that created interference.

2 A Yes.

3 Q Okay. Subsequent to, to writing this report, did
4 Microwave Filter ever get back to you to discuss possible
5 failure of their filters?

6 A I had contacted them by phone and they said they
7 couldn't deny the heating and cooling theory, and that they'd
8 be glad to test the filter if it was less than 30 days old.
9 I, I was not aware of any filters that were that less than 30
10 days old so I didn't pursue it any further.

11 Q Okay, going to paragraph, paragraph 3, it says -- where
12 you make the statement, "It does not seem -- et cetera, et
13 cetera -- reasonable for the station."

14 A Excuse me, I'm lost. Where are you?

15 Q I'm on page -- I'm sorry -- on page 10 of Mass Media
16 Bureau Exhibit No. 1.

17 A Okay.

18 Q The next, very next, paragraph.

19 A "It would not seem reasonable --"

20 Q Right, "for the station to continue." The statements
21 in your report, Mr. Ramage, why is it not reasonable for a
22 station to continually up and jack around it's power, if I can
23 use that word?

24 A Well, there are several reasons. One, it's, it's not
25 good on the transmitter to be continually going up and down,

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1 just for physical, mechanical, means. They lose their audi-
2 ence any time -- you, you will lose audience whenever you
3 lower power, and to -- it just did not seem reasonable for a
4 station to do that just for the purpose of trying to evade, as
5 some of the complainants had indicated, that they may possibly
6 be trying to evade and make the filters appear to quit working
7 and then appear working again by lowering the power.

8 Q Okay, isn't it also a fact, Mr. Ramage, that if you,
9 you know, raise your power and then lower your power back and
10 forth -- you said it may affect the working of the transmit-
11 ter -- doesn't it result in, in lessening tube life, specifi-
12 cally?

13 A Yes.

14 Q And tubes are fairly expensive things --

15 A Yes.

16 Q -- to put in -- aren't they?

17 A That's my understanding.

18 Q Okay, now let's go to the report summary, which is
19 page 13 of Mass Media Bureau Exhibit 1.

20 A All right.

21 Q Have you the reference there, Mr. Ramage?

22 A Yes.

23 Q When you say, when your summary says that the station
24 didn't restore reception and the quality of the viewing it had
25 prior to the commencement of operations, on what are you

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1 basing that conclusion?

2 A The statements from each of the complainants; the
3 indication that there was changes when the station was off the
4 air, there was some improvement in some of the picture quality
5 of the people that I had viewed. And that is what I based
6 that on.

7 Q Okay. So essentially just a recap of the statements of
8 the people made to you?

9 A Yes.

10 Q And was -- would you characterize that as your primary
11 source for that conclusion?

12 A That would be my primary source for prior to commencing
13 operations. The -- I -- the fact that they did not -- there
14 was a change when the station was off the air versus when the
15 station was on the air while I was there would indicate that
16 there was interference being caused by the station. The fact
17 that it, it may have happened prior to commencing operations
18 or that it -- they viewed something better prior, I based that
19 on the complainants themselves.

20 Q Okay. Now, if -- let's, let's go to, if we may, to
21 report -- page 29 of your report.

22 A Yes.

23 Q Okay, now, let's take TV 1 of the, the -- it looks like
24 the TASO or TASO reading, readings with KOKS on the, on the
25 air and off the air are fairly close, is that, that correct,

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1 Mr., Mr. Ramage?

2 A There, there was some change in two of the channels.

3 Q There was some change. Was it a -- for people who
4 weren't there, was this a very big change, a very dramatic
5 change?

6 A No.

7 Q Okay, when KOKS was on the air, okay? When you were --
8 and you were looking at the TV set, what did you see on the TV
9 set?

10 A As far as quality of picture, or --

11 Q No, specifically, I want to make it -- did you say --
12 you testified earlier that the blanketing interference is --
13 or any overload interference whether it's from two-way radio
14 or FM blanketing has a very characteristic sort of impact on a
15 TV set, specifically the herringbone lines or the picture gets
16 totally blanked, blanked out.

17 A Typically, yes.

18 Q Okay. When you looked at the sets in Mrs. Smith's
19 house, did you see this distinctive or characteristic sort of
20 pattern?

21 A No.

22 Q Okay. Now, I'd like to refer you, if I can, to a
23 sentence, oh, the eighth, about the eighth line down.

24 A Yes.

25 Q It says, "We came back to this residence and had -- et

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